



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 97,022-N2)

#9/C
01 03-02
PATENT

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In re Application of:

Ghosh, et al.

Serial No.: 09/716,732

Filed: November 20, 2000

For: A System for Cell-Based Screening

Art Unit: 1641

Examiner: Cook, L.

Assistant Commissioner for Patents
BOX RESPONSE
Washington, D.C. 20231-9999

RESPONSE TO NOTICE TO THE OFFICE ACTION DATED JULY 31, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir,

Please consider the following amendments and remarks in response to the Office Action mailed July 31, 2001:

In the specification:

Please replace the text at page 16 lines 18-25 with the following:

Figure 4 illustrates an alternative embodiment of the invention in which cell arrays are in microwells 40 on a microplate 41, described in co-pending U.S. Patent 6,103,479, incorporated by reference herein in its entirety. Typically the microplate is 20 mm by 30 mm as compared to a standard 96 well microtiter plate which is 86 mm by 129 mm. The higher density array of cells on a microplate allows the microplate to be imaged at a low resolution of a few microns per pixel for high throughput and particular locations on the microplate to be imaged at a higher resolution of less than 0.5 microns per pixel. These two resolution modes help to improve the overall throughput of the system.

Please replace the text at page 20 lines 1-18 with the following: